Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

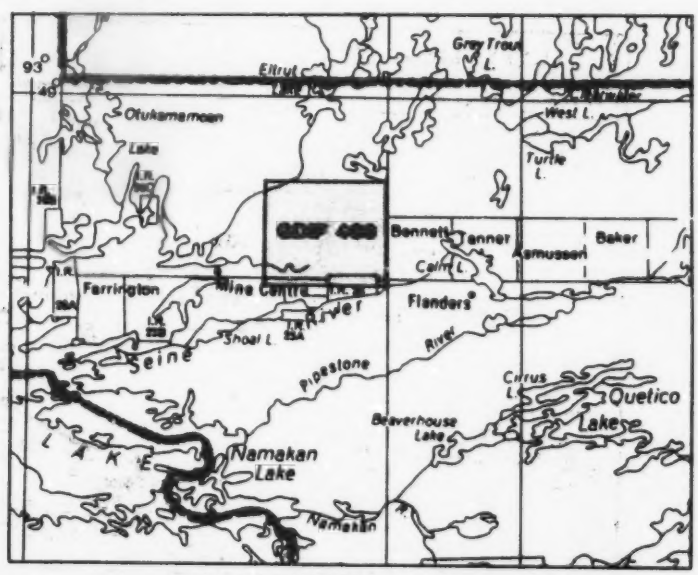
GEOLOGICAL DATA INVENTORY FOLIO 469

BENNETT LAKE AREA

52 C/16 SW

DISTRICTS OF KENORA AND THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Kenora



Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO
Mineral Development
Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

NTS Number 52C/16 SW

Mining Claim Map Number Bennett Township G-2667, formerly M-2392 and M-1920 West half

This project was funded under the Canada Ontario Mineral Development Agreement (COMDA).

STATEMENT This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1989: Bennett Lake, Rainy River District; Ontario Geological Survey, Geological Data Inventory Folio 469, compiled by the staff of the Resident Geologist's Office, Kenora, 23 pages and 2 maps.

Original Compilation by: M. Perrault

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Bennett Lake Area

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ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	MP MAR 88
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	MP MAR 88
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	MP MAR 88
6	ODM Industrial Mineral Reports	NO	MP MAR 88
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	MP MAR 88
8	Bibliography of Precambrisn Theses - Ginn (ODM MP 2)	NO	MP MAR 88
9	Newspaper Clippings File	NO	MP MAR 88
10	GSC Index to Publications	NO	MP MAR 88
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	MP MAR 88
12	OGS Index Maps	YES	MP MAR 88
13	Source Mineral Deposit Records (O.G.S.) and MDIR'S	YES	MP MAR 88
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	MP MAR 88
16	ODM Geological Circulars: OGS Study Series	YES	MP MAR 88
17	ODM Preliminary Reports: ODM Bulletins	NO	MP MAR 88
18	ODM – OGS Open File Reports	YES	MP MAR 88
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	MP MAR 88
20	OGS Aggregate Resources Inventory Papers	NO	MP MAR 88
21	OGS Mineral Potential Maps	YES	MP MAR 88
22	Theses on File, Kenora	NO	MP MAR 88
23	Aerial Photos on File, Kenora	YES	MP MAR 88
24	OBM Maps on File, Kenora	YES	MP MAR 88

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- ▲ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- ▲ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- ▲ gf . . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- ▲ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- ▲ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- ▲ mag . . . . . .Magnetite
- ▲ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- ▲ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Alice A. Mine (K 191 mining location) (Archibald location)	Au, py,cp,gn sp,mc	SMDR 001520 MDIR RR0001	MDC 16, p. 7	OGS AR Vol.4, p.51,58 OGS AR Vol.7, pt.2, p.129,130 OGS AR Vol.8, p.46,81 OGS AR Vol.9, p.75 OGS OFR 5512, p.60,61 Assessment Files, Kenora 52C/16 SW; K-1,O-1,Q-1,Q-2,Q-3
B	Emma Abbott Occurrence (K 215 mining location)	Au? py,cp,gn			OGS Ar Vol.8, p.263,274 OGS AR Vol.9, p.75,76 OGS OFR 5512, p.106 Assessment Files, Kenora 52C/16 SW; K-1,Q-1,Q-2,Q-3
C	Gold Bug Occurrence (P 660 mining location)	Au, py,cp,gn			OGS AR Vol.8, p.263,264 OGS AR Vol.9, p.75,76 OGS OFR 5512, p.106 Assessment Files, Kenora 52C/16 SW; K-1,Q-1,Q-2,Q-3
D	Noranda Occurrence-Bennett Lake Area (Young property) (Polygon Pond property)	py,po,cp	SMDR 000629 NMI Pyl	MRC 5, p.47	OGS AR Vol.69, pt.4, p.15 (Location No.1) OGS Map 1960b Assessment Files, Kenora 52C/16 SW; I-1,I-2

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E	Cedar Lake Prospect (Red Cedar Lake Prospect)	Au,Cu,py,cp, po,sp,gn,IF (mag,hem),gf	SMDR 001795 MDIR RR0009 NMI Au2	MDC 16, p.34	OGS GR 226, p. 59-61 OGS map 2467 Assessment Files, Kenora 52C/16 SW; B-1,G-1,H-1,J-1,N-1
F	Independence Mine	Au, py,cp	SMDR 001524 MDIR RR0162 NMI Au1	MRC 13, p. 248,249 MDC 16, p. 22	OGS AR Vol.8, p. 81-83,263,274 OGS map 2467 Assessment Files, Kenora 52C/16 SW; J-1,G-1 OGS map P.2405 (revised)
G	Bennett Lake Occurrence	Cu,cp,py,po	MDIR RR0243		OGS OFR 5251, p.87 OGS map P.2405 (revised) Assessment File, Kenora 52C/16 SW; A-1
H	Glenorchy Occurrence	clay	MDIR RRo242	MDC 15, p. 102-104, 107, 114	OGS map 5070
I	Sutherland Group	Au, py,po,gn			Assessment File, Kenora 52C/16 SW; P-1
J	'818' Glory Hole	?			Assessment File, Kenora 52C/16 SW; T-1 (Shaft shown on geophysics map. No other information available on shaft)

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Alice, A. (Noranda) 52C/16 SW; O-1							1898 25 26 27												
2	Argor Explorations Ltd. 52C/16 SW; T-1	84	84			84			84	84										
3	Coloma Resources Ltd. 52C/16 SW; R-1											83	83							
3	Coloma Resources Ltd. 52C/16 SW; R-2	84	84		84	84							84							
4	Corrigan, E. 52C/16 SW; A-1				71	71														
5	Hannah Mining Co. 52C/16 SW; K-1	75										75	75[1]							
6	International Chemalloy Corp. (Yeoman Mines Ltd.) 52C/16 SW; J-1			75		75						75	75							

[1] Two ground EM surveys performed: a) Crone CEM survey - complete coverage.
b) APEX max-min 11 survey - partial coverage over CEM anomalies only (no APEX anomalies identified).

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
7	Jacobus Mining Corp. 52C/16 SW; B-1				58															
8	Lynx Canada Explorations Ltd. (Phantom Expl. Services Ltd.) 52C/16 SW; S-1											83/ 84	83/ 84							
8	Lynx Canada Explorations Ltd. 52C/16 SW; S-4	83																		
9	Lynx Canada Explorations Ltd. (Phantom Expl. Services Ltd.) 52C/16 SE; B-1; SW; S-2											83	83							
9	Lynx Canada Explorations Ltd. 52C/16 SE; B-5; SW; S-2		83																	
10	Lynx Canada Explorations Ltd. 52C/16 SW; S-3	83																		
11	G.C. McCartney, Miner Property 52C/16 SW; N-1	36		36																
12	Noranda Expl. (Polygon Pond Property) 52C/16 SW; C-1												66							

GDIT FORM No.

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	Pearson, E. 52C/16 SW; M-1,M-2			76																
13	Pearson, E. 52C/16 SW; M-3			76																
14	Pearson, E. 52C/16 SW; M-4				82															
15	Pitkanen, R.W. 52C/16 SW; D-1			73																
15	Pitkanen, R.W. 52C/16 SW; D-3	75																		
16	Pitkanen, R.W. 52C/16 SW; D-2			73								75	75							
17	Redden, J.W. 52C/16 SW; Q-1			81																
18	Redden, J.W. 52C/16 SW; Q-2					81														
18	Redden, J.W. 52C/16 SW; Q-3											85								

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
18	Redden, J.W. 52C/16 SW; Q-4											87	87							
19	Rivers, R.J. 52C/16 SW; E-1			73																
20	Steep Rock Iron Mines 52C/16 SW; F-1			64																
21	Steep Rock Iron Mines 52C/16 SW; F-2											82	82							
22	Sutherland Group 52C/16 SW; P-1			37		37														
23	Sylvanite Gold Mines 52C/16 SW; G-1	36 40		40		40														
24	Turbenn Minerals Ltd. 52C/16 SW; H-1											61								
25	Young, D.R. (Noranda, Corrigan Option) 52C/16 SW; I-1												58							
26	Young, D.R. (Noranda, Corrigan Option) 52C/16 SW; I-2				58															

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
1	Coloma Resources Ltd.	1	Aug-Sept/84	180°	-40°	63.0	350.0	py,po,cp,gf	Au
2	Coloma Resources Ltd.	2	Sept/87	180°	-45°	4.0	302.0	py	Au
3	Coloma Resources Ltd.	3	Sept/87	260°	-45°	10.0	208.0	py,po,cp,mag	Au
4	Coloma Resources Ltd.	4	Oct/87	145°	-45°	123.0	123.0	none	
5	Coloma Resources Ltd.	5	Sept-Oct/87	315°	-45°	14.0	315.0	py,po,cp,gf	Au,Cu
6	Coloma Resources Ltd.	6	Oct/87	180°	-49°	7.0	350.0	py,gf	Au
7	Coloma Resources Ltd.	7	Oct/87	180°	-45°	164.0	356.0	py,hem	Au
8	Corrigan, E.	1	June/71	350°	-45°	0.0	101.0	py,po,cp	Au,Cu,Ni
9	Jacobus Mining Corp.	1	Feb/58	N	-45°	12.0	397.0	po,py,cp,IF(mag) gf	
9	Jacobus Mining Corp.	2	Feb/58	N	-45°	6.0	304.0	po,py,cp,mag	
9	Jacobus Mining Corp.	3	Feb/58	N	-45°	4.0	299.0	po,py,cp,sp	
10	Young, D.R. (Noranda Mines Ltd.)	1	Mar/58	S25°E	-50°	72.0	228.0	po,cp	
10	Young, D.R. (Noranda Mines Ltd.)	4	Mar/58	S	-50°	12.7	272.0	po,py,cp	Au,Ag,Cu,Zn
11	Young, D.R. (Noranda Mines Ltd.)	2	Mar/58	S45°W	-50°	18.0	337.0	po,py,cp	Au,Ag,Cu

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
11	Young, D.R. (Noranda Mines Ltd.)	3	Mar/58?	S	-50°	14.0	349.0	py,po,cp	Au,Ag,Cu
11	Young, D.R. (Noranda Mines Ltd.)	5	Mar/58	S45°W	-50°	7.2	395.0	po,py,cp	Au,Ag,Cu
12	Young, D.R. (Noranda Mines Ltd.)	6	Mar-Apr/58	S45°W	-50°	51.0	287.0	py,po,cp	
13	Young, D.R. (Noranda Mines Ltd.)	7	Apr/58	S45°W	-50°	29.0	400.0	po,py,cp	
14	Young, D.R. (Noranda Mines Ltd.)	8	Apr/58	S33°W	-50°	30.0	255.0	po	
15	Young, D.R. (Noranda Mines Ltd.)	9	Apr/58	S33°W	-65°	8.0	252.0	po,py,cp	
16	Young, D.R. (Noranda Mines Ltd.)	10	Apr/58	S45°W	-50°	10.0	250.0	po,py	
16	Young, D.R. (Noranda Mines Ltd.)	11	Apr/58	S45°W	-50°	5.0	295.0	py,mag,gf	
17	Young, D.R. (Noranda Mines Ltd.)	12	?/58	S	-50°	?	305.0		
18	Pearson, E.A.	166	Jan-Feb/82	300°	-45°	10.0	695.0	py,po,cp,mag	sampled for Au,Ag,Cu,Ni, Zn,Pt,Pd,Co, but no results available

GDIF FORM NO. 1

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
2	By: Aerodat Ltd. For: Morrison Petroleums Ltd. (see Kenora Assessment File: Argor Explorations Ltd., 52C/16 SW; T-1)	HEM-Electromagnetic (phase component measurement) VLF-Electromagnetic Magnetic	30 m 45 m 45 m	N/S N/S N/S	100 m 100 m 100 m

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Lithogeochemistry	Au (locations only)	Argor Explorations Ltd.	Kenora Assessment File 52C/16 SW; T-1
2	Humus	Au	Coloma Resources Ltd.	Kenora Assessment File 52C/16 SW; R-2
3	Soil and Humus	Au, Cu, Zn	Lynx Canada	Kenora Assessment File 52C/16 SW; B-5

GDIF FORM NO. 5

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No data on file for Bennett Lake Area, Kenora Mining Division as of December 1987.

Age dating is available for adjacent areas. Refer to OGS OFR 5592.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kenora

Newspaper clippings in the Kenora office are filed in the corresponding Mineral Deposits File.

ODM GENERAL INDEX SEARCH

Words searched Alice 'A', Argor Exploration Ltd., Bennett Lake, Cedar Lake, Coloma Resources Ltd., Corrigan, Emma Abbot, Glenorchy, Gold Bug, Hanna Mining Co., Hook Lake, Independence Mine, International Chemalloy Corp., Jacobus Mining Corp., Little Turtle River, Lynx Canada, McCartney, Noranda, Pearson, Pitkanen, Polygon Pond, Red Cedar Prospect, Redden, Reed Lake, Rivers, Seine River, Steep Rock Iron Mines, Sturgeon Falls, Sutherland Group, Turbenn Minerals, Yeoman Mines, Young.

Index Volume	Listing	Report Volume	Part	Page
1	Lower Seine River, Gold Mines includes Alice 'A', Goldbug, Emma Abbot, Independence Mine	8	1	81-83 269 274
1	Alice 'A' Mine	9	1	75
1	Emma Abbott Prospect	9	1	75
1	Gold Bug Prospect	9	1	75
3	Independence Gold Mine (Production)	49	1	23
6	Bennett Township Geology Rpt. with map 1960b	69		4-9
8	Bennett Township, Rainy River District	MP 56		64
8	Bennett Township, Rainy River District. Gold	MRC 13		249
8	Bennett Township, Rainy River District. Iron	MRC 11		292
8	Independence Mine, Bennett Tp., Rainy River Dist.	MRC 13		248-249
8	Seine River Metavol. Belt-Geol. descript. (includes Bennett and Calm Lake)	MP 56		64-65
9	Hanna Mining Co. Ltd.-work done in the Mine Centre area	MP 67		42
9	Glenorchy-clay occurrence	MDC 15		102,114
9	Independence Mine	MDC 16		22
9	Calm Lake area-includes Independence Mine and Red Cedar Prospect	MP 96		32-34
9	Seine River Area, Report (quaternary) & maps 5070 & 5072	NOEGTS 54		

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Blackburn, C.E.	1981	Kenora-Fort Frances, Kenora and Rainy River Districts Geological Compilation Series	OGS Map 2443	1" to 4 miles (1:253,440)
Davies, J.C., Pryslak, A.P.	1965	Rainy Lake Sheet, Ontario Department of Mines, Preliminary Geological Map P.293, Geological Compilation Series	ODM Map P.293	1" to 2 miles (1:126,720)
Fumerton, S.L.	1985	Calm Lake	Map 2467	1" to 1/2 mile (1:31,680)
Sage, R.P., Breaks, F.W., Stott, G.M., McWilliams, G.M., Ali, A.	1974	Operation Ignace-Armstrong, Mine Centre-Entwine Lake Sheet, Districts of Kenora and Rainy River, Ontario Div. Mines, Preliminary Map P.965, Geol. Series	ODM Map P.965	1" to 2 miles (1:126,720)
Young, W.L.	1960	Bennett-Tanner Area, District of Rainy River, Ontario	Map 1960-b	1" to 1/2 mile (1:31,680)
		GEOPHYSICAL MAPS		
ODM and GSC	1961	Manion Lake, Rainy River District, Ontario, Airborne Magnetic Survey, May to October, 1961	Map 1142G	1" to 1 mile (1:63,360)
OGS	1980	Airborne Electromagnetic and Total Intensity Magnetic Survey, Atikokan-Mine Centre Area, Western Part, District of Rainy River; by Questor Surveys Limited for the Ontario Geological Survey, Geophysical/ Geochemical Series.	Map 80504 *Map 80506*	1:20,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Roed, M.A.	1980	Seine River Area (NTS 52C/NE), District of Rainy River; Ontario Geological Survey, Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5070 and Map 5072	OGS NOEGTS 54	1:10,000 15 pages
Zoltai, S.C.	1965	Surficial Geology, Kenora-Rainy River. Ontario Department of Lands and Forests	Map S165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Springer, J.S.	1978	Ontario Mineral Potential, International Falls-Roseau Sheet, District of Rainy River; Mineral Deposits Ser.	OGS P.1523	1:250,000
		GEOLOGICAL REPORTS AND MAPS		
Fumerton, S.L.	1985	Geology of the Calm Lake Area, District of Rainy River; Ontario Geological Survey Report 226. Accompanied by Map 2467	OGS Report 226	1" to 1/2 mile (1:31,680) 72 pages
Fumerton, S.L., Bumgarner, E.L.	1981	Precambrian Geology of the Calm Lake Area, Rainy River District; Ontario Geological Survey Preliminary Map P.2405 (revised), Geological Series	OGS P.2405 (rev.)	1" to 1/4 mile (1:15,840)
OGS-GSC	1980	Regional Lake Sediment and Water Geochemical Reconnaissance Data Rainy Lake/Quetico Area, Ontario, NTS 52C; Ontario Geological Survey Open File Report 5285	OGS OFR 5285	(1:250,000) 52 pages
Poulsen, K.H.	1984	The Geological Setting of Mineralization in the Mine Centre-Fort Frances Area, District of Rainy River; Ontario Geological Survey Open File Report 5512, 125p., 5 tables, 30 figures and 1 map in back pocket	OGS OFR 5512	1:50,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Schnieders, B. R., Dutka, R. J.	1985	Property Visits and Reports of the Atikokan Economic Geologists, 1979-1983, Atikokan Geological Survey; Ontario Geological Survey Open File Report 5539, 512 p., 2 tables, 42 figures, 2 maps, and 3 appendices	OGS OFR 5539	1" to 4 miles (1:253,440)
Young, W. L.	1960	Geology of the Bennett-Tanner Area	ODM AR Vol.69, pt.4	1" to 1/2 mile
Young, W. L.	1960	Bennett-Tanner Area, District of Rainy River, Ont. Map No. 1960b	Map No. 1960b	1" to 1/2 mile (1:31,680)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

(compiled from index maps only)

Roll	Photo Numbers
1952, (scale 1" to 1 mile)	
A13501	149-152*
A13504	43-41
1982, (scale 1" to 1/4 mile)	
54	166-179
04	236-248
05	82-94
13	185-197
15	178-190
41	92-104

* Photographs on file in Resident Geologist's Office, Kenora

TOPOGRAPHIC MAPS

52C/16 Manion Lake, Series A751, Edition 1 MCE, Scale 1:50,000
52C International Falls Series A501, Edition 5 MCE, Scale 1:250,000

ONTARIO BASE MAPS

(published maps currently available)
scale 1:20,000

20	15	5400	54000
20	15	5500	54000

MINERAL DEPOSITS FILE

A Deposits File is maintained at the Kenora Resident Geologist's Office which contains published data on the following deposits:

1. Alice A Mine
2. Bennett Lake Occurrence
3. Cedar Lake (Red Cedar Lake Occurrence)
4. Emma Abbott Mine
5. Glenorchy
6. Gold Bug
7. Independence Mine
8. Noranda Occurrence

NOTES

Note A

Note that in the past, Bennett Lake has been called Cedar Lake and Bennett Creek has been called Willow Brook.

GDIF FORM NO.10

48°52'30"

62°30'00"

Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 469

(Map 1 of 2)

BENNETT LAKE AREA

52C/16 SW

DISTRICTS OF KENORA AND THUNDER BAY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Hillyer

River

Little

Turtle

Bennett

Glenorchy

Sturgeon Fo

Indian Reserve N

25

26

12

14

13

3

8

5

17

1,18

15

22

CAN

NAT

CAN

92°30'00"

48°45'00"

EXPLORATION DATA FILE AREAS

- ■ 1 6 — Reference number is always inside work area outlined. See listing in text pages.
- □ x 4 — Small area of exploration
- □ ★ — File covers whole township or area

Little

Turtle

Bennett

Creek

Bennett

Lake

Sturgeon Falls

Indian Reserve No. 23

Crilly

Reed L.

Seine R.

CAN NAT

CAN NAT

48°45'00"

92°15'00"

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ■ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ —ARA— Airborne radiometric anomaly
- ■ —M— Ground magnetic anomaly
- ■ —VL— Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- ☐ —RA— Ground radiometric anomaly
- ☐ —IP— Induced polarization anomaly
- ☐ Self potential anomaly
- ☐ —AFMAG— Audio-frequency magnetic anomaly
  (total intensity)
- ☐ —R— Resistivity anomaly
- ☐ —GR— Gravity anomaly

48°52'30"

92°15'00"

Moosetrack

L.

River

Cr.

Ministry
Northe
and Mi

Ontario

ONTA

EXP

GEOLOGICAL

BENNE

DISTRICTS OF

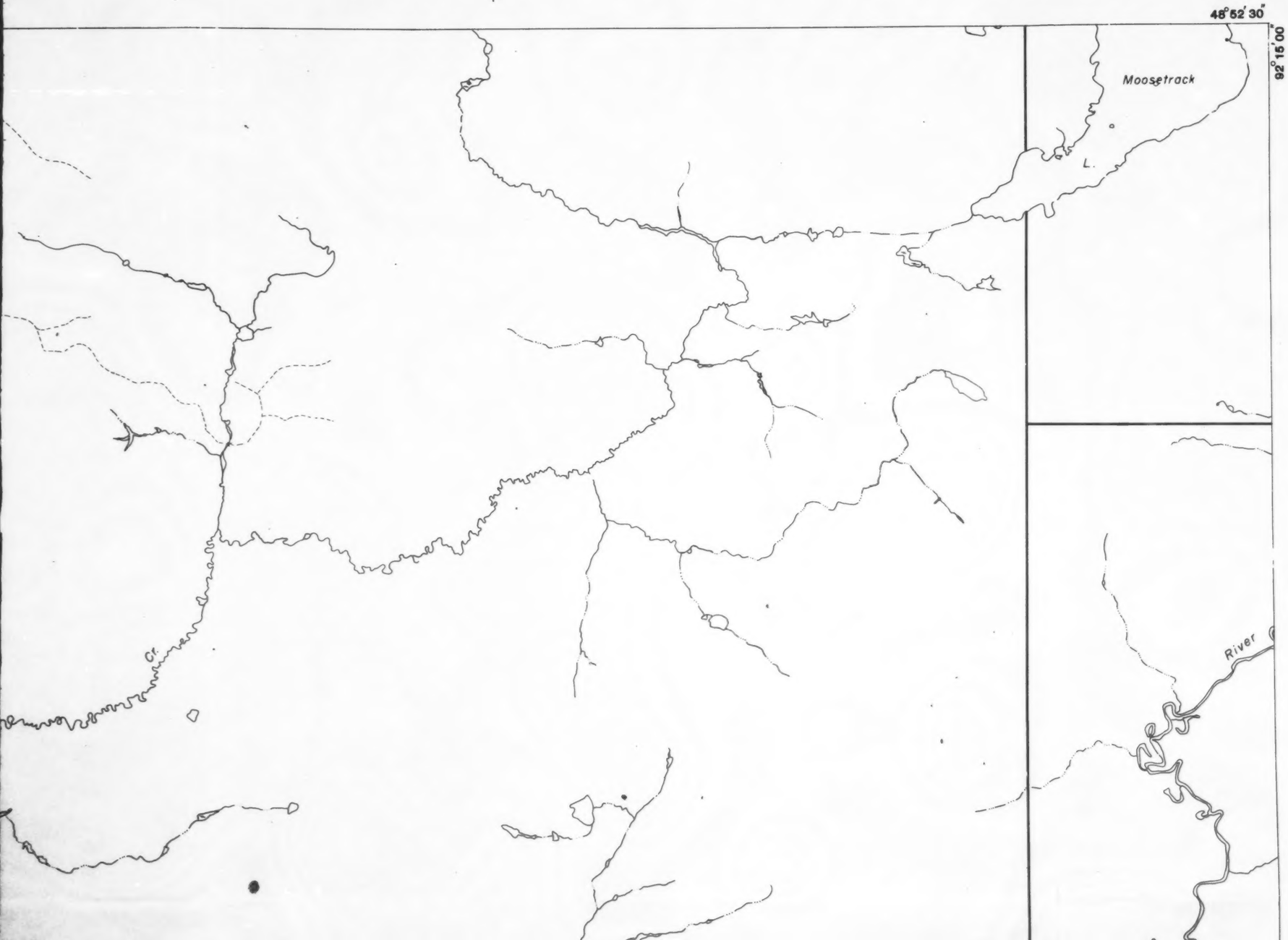
Kilometre 0.5

Mile 0.5

GEO

TYPES OF DATA SHO

- cp A. — Mine
- Au A. 84° — Mine refer
- Ag A. — Mine with
- cp A. — Mine
- cp A. — Mine and



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 469

(Map 2 of 2)

BENNETT LAKE AREA

52C/16 SW

DISTRICTS OF KENORA AND THUNDER BAY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- cp A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

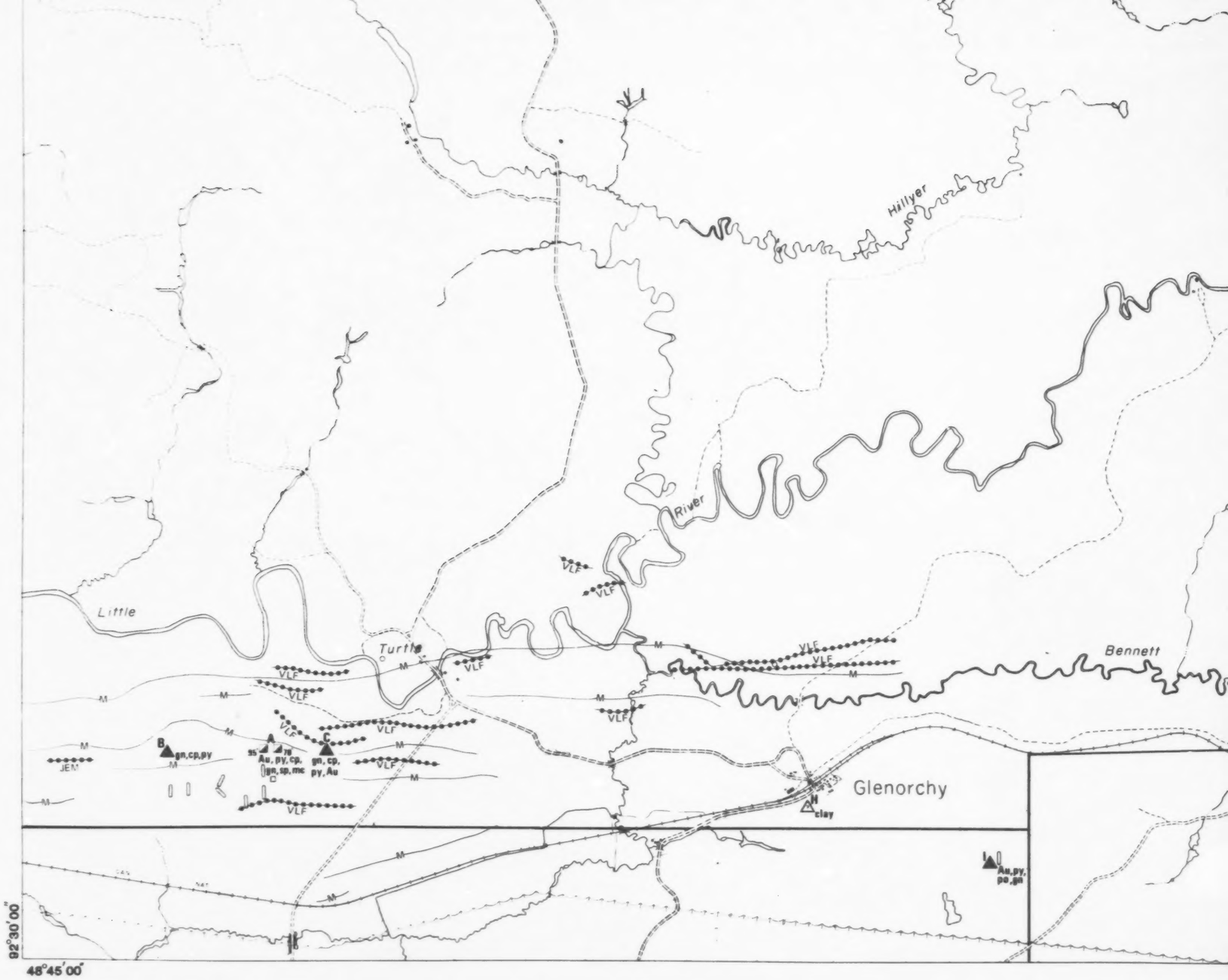
DRILLHOLES

- 2 — Location of single drillhole, with reference number

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Hillyer

River

Bennett

Creek

Little

Turtle

Bennett

Lake

Reed L.

Seine R.

Glenorchy

Sturgeon Falls

Indian Reserve No. 23

Crilly

JEM

VLF

M

CAN NAT

py,po,cp

Au,py,po,gn

clay

Au,Cu,py,cp,po,sp,gn E
mag,hem,gl

F
Au,py,cp

Cu,cp,po,py

92°16'00"

48°45'00"

DRILLHOLES

- ■ $\bullet^2$ Location of single drillhole, with reference number
- ■ $\odot^2$ Location of closely spaced group of drillholes, with reference number
- □ $(?)^2$ Drillhole, exact location uncertain, with reference number
- □ Property with underground drillholes in this general area, with reference number
- □ $\circ^2$ Property with drillholes which have not been plotted on map, with reference number
- □ $\oplus^2$ Reverse circulation drillhole; churn drilling, with reference number

Turtle

Little

Creek

Bennett

Lake

Reed L.

Seine R.

Crilly

Sturgeon Falls

Indian Reserve No. 23

Au,py,cp

Au,Cu,py,cp,po,sp,gn, mag,hem,gl

Cu,cp,po,py

py,po,cp

JEM

VLF

CAN

NAT

92°15'00"

48°45'00"